

Cezar Chirila

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www.cezarchirila.com

PERSONAL INFORMATION

Nationality: Romanian

Born: April 5th, 1995 in Suceava, Romania

Address: Nottingham, United Kingdom

PROFILE

Electronic Engineering graduate, current postgraduate student in the United Kingdom, with professional experience in the field and a large project base including award winning projects and numerous technical articles published online.

Hardworking and characterized by a genuine desire to help, enthusiasm and reliability.

EDUCATION

University of Nottingham	Nottingham, UK
<i>Electrical and Electronic Engineering (MSc)</i>	Starting 2018

Technical University of Cluj-Napoca	Cluj-Napoca, RO
<i>Electronics, Telecommunications and the Information Technology (BSc)</i>	2014-2018
<i>Specialisation: Applied electronics</i>	
Grade: 10/10	

National College "Petru Rareș", Suceava	Suceava, RO
<i>Profile: Nature science</i>	2010-2014
<i>Grade: 9.25/10 (Romanian Bacculaureate)</i>	

Languages

Romanian: First language

English: Level C2, IELTS Academic - 8.5 Overall (Nov 2017); Level C1, CAE - Grade B (Jun 2013)

French: Intermediate (speaking, reading); basic (writing)

SKILLS

- Analog and Digital circuit design: Power Electronics and Microcontrollers;
- PCB and Schematic Design – [Altium Designer](#), [KiCAD](#), [OrCAD](#), [Eagle](#);
- Electronic Design Simulation ([SPICE](#) simulators);
- Programming languages: [C/C++](#) (Advanced) (MCU experience: [AVR 8-bit](#), [STM32](#)), [Verilog](#) (Novice), Java (Intermediate), HTML5 / CSS3 / JavaScript (Intermediate), Python (Novice);
- 3D design: Autodesk Fusion 360;
- 3D printing: extensive hardware knowledge, most slicers on market (Ex.: Cura, Simplify3D);
- Media: Photoshop (image processing), Sony Vegas and Adobe Premier (video editing).

WORK EXPERIENCE AND ACCOMPLISHMENTS

Hardware Engineer at Continental Aug-Oct 2017
Internship at Continental Automotive Systems, Sibiu in Powertrain division

Writer at AllAboutCircuits.com 2016 – present
Writing technical articles and documenting various personal projects

First prize winner* Student Symposium on Electronics and Telecommunications Spring 2018
Participated with diploma project: Thermal Imaging Camera
*Have also received *Best project* from Bosch representatives for the same project

First prize winner (team effort) Polihack – Embedded Section Spring 2016
Designed and built a fall detection device for the elderly

Volunteer at Unica World Movie Contest August 2016
Editing videos and logistics

PERSONAL PROJECTS

Personal Projects documented on my blog www.CezarChirila.com:

- Built my own 3D printer following the Reprap project;
- LED matrix coffee table;
- ESP8266 Wi-Fi login sketch;
- Function Generator using Analog Devices AD9833 IC;
- Thermal Imaging Camera using MLX90621 ([diploma project](#)).

Technical Articles and Projects designed and documented for www.AllAboutCircuits.com:

- Do-It-Yourself Soldering Station with an ATmega8;
- House-Monitoring Framework with Arduino and Raspberry Pi: The Paranoid App;
- Driving LED arrays with Arduino;
- How to build a class D power amplifier;
- DIY Arduino-Based Sous-Vide Machine.

REFERENCES

Available upon request.